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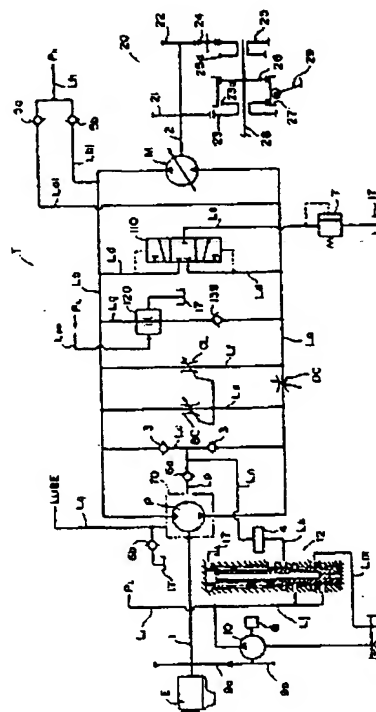
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APPLICANT : HONDA MOTOR CO LTD;

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TITLE : HYDRAULIC CONTINUOUSLY
VARIABLE TRANSMISSION



ABSTRACT : PURPOSE: To prevent engine stall at the time of sudden engine braking by controlling the bypass oil passage opening of a hydraulic pump with a bypass clutch valve interlocked with a main clutch valve in interrupting a hydraulic close circuit via a directly coupled clutch valve.

CONSTITUTION: When a brake is operated in the condition where a hydraulic pump P and a hydraulic motor M are rotating monolithically with a directly coupled clutch valve DC turned ON at a minimum gear ratio and a hydraulic circuit closed, a bypass clutch BC also opens interlocked with the opening of a main clutch valve DL. As a result, even if the directly coupled clutch valve DC is turned ON, therefore, an oil flow through a bypass oil passage Ls is allowed. Even when the rotation of the hydraulic motor M is interrupted, therefore, the delivery oil of the hydraulic pump P flows to an intake side through the bypass oil passage Ls and the hydraulic pump P keeps a running condition. According to the aforesaid construction, even when the brake is suddenly operated, it is possible to prevent the stall of an engine E connected to the hydraulic pump P.

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